

Information Overload

Into the 1990s

- ⇒ New and greater demands will be placed on database management
- ⇒ Among these will be the following:
 - *Integration*
Higher level of information integration
 - *Multimedia*
The capacity to store and retrieve *all* types of data (including text, graphs, images, voice, video, etc.)
 - *Intelligent software*
Sophisticated natural language front-ends and intelligent logic models
 - *Media Conversion*
Bringing existing information sources into a new information infrastructure

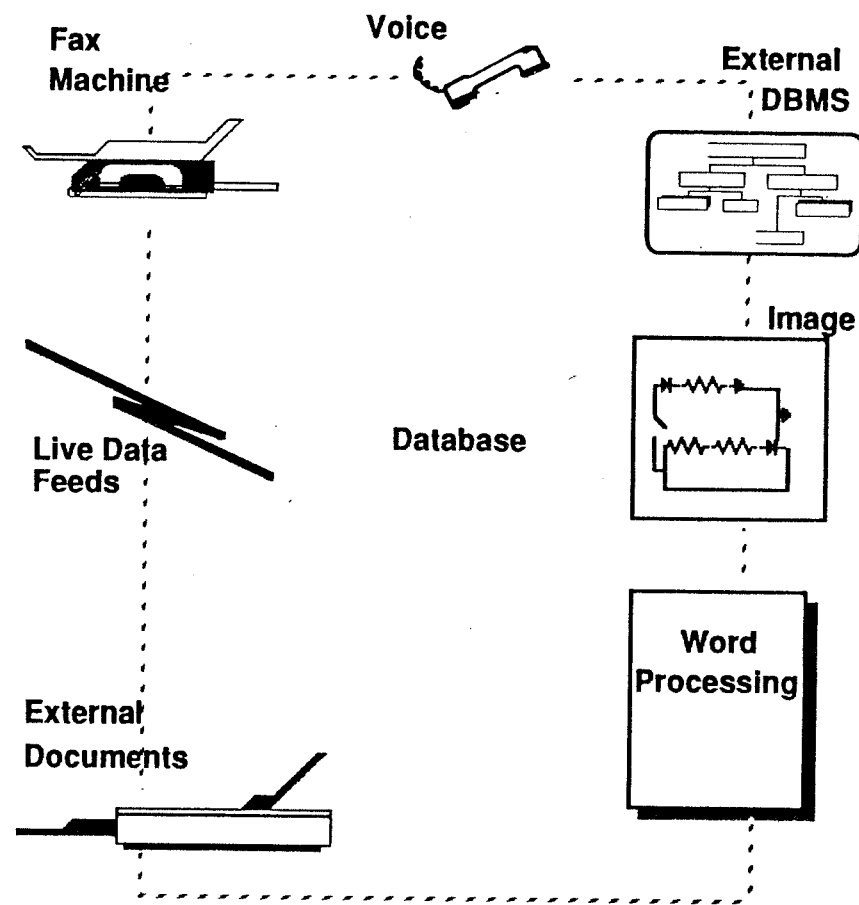
(the hr in the new world)

Information Overload

The third and current paradigm has a greatly expanded focus which regards the database as the hub of an information gathering process, rather than a simple repository. The database is now tasked with managing the collection, interpretation and presentation of disparate information sources without regard to their origin or format.

Three Paradigms

3. New database paradigm



Text Retrieval

Just as the relational database increased data accessibility over traditional DBMS, and 4GLs increased data accessibility over RDBMS, text retrieval systems further increase data accessibility, giving end users access to more information than ever before.

Expanding Information Availability

